

Minutes
Conceptual Models of the Mission Space (CMMS)
Technical Working Group Meeting 7

1. The seventh meeting of the CMMS technical working group was held by DMSO (Defense Modeling and Simulation Office) on 24 Oct , 1996 in Orlando, Florida, hosted by the JSIMS Program Office. Col Mark Jefferson, Deputy Director, DMSO, chaired the meeting. A list of attendees is attached. Briefings will be posted on the DMSO World-Wide Web Home Page.

Introduction - DMSO

2. Col Jefferson summarized the CMMS prototype effort to date - project is on schedule and providing the right interim results.

CMMS Development Process - Jack Sheehan

3. Jack Sheehan, Data Engineer, DMSO, briefed the current status of the CMMS Technical Framework. The DMSO-sponsored CMMS Technical Framework provides the technical standards, operational procedures, and information systems infrastructure required for conceptual model integration within simulation projects and interoperability across DoD programs. The CMMS Prototype Cycle 1 (completed 10/24/96) used CMMS-TF version 0.1 (4/26/96). It provides for a common technical approach and established standard functions required to create and manage models, the preliminary Common Syntax and Semantics (CSS), and a common Data Interchange Format (DIF). CMMS-TF version 0.2 (draft 11/15/96) is the formal vehicle for implementing the common technical approach between JWARS and JSIMS, between the JSIMS JPO, EA's and DA's, and partner programs, and eventually among all DoD M&S activities.

(Power Point briefing: cycle1_7.ppt)

CMMS Prototype Update & Demonstration - Larry O'Brien

4. Cycle 1 Demo Update - Larry O'Brien, DRC CMMS Program Manager, gave an overview of the Cycle 1 Prototype objectives and requirements. The objective of Cycle was to demonstrate all major CMMS functions (except for Create) using a realistic mission "thread." More specific requirements were based on the Version 0.1.6.2 of the Technical Framework. Dr. O'Brien described the overall architecture and how each of the technical framework functions was implemented in the Cycle 1 software.

(Power Point briefing: cycle1_7.ppt))

5. Cycle 1 Demo - Larry O'Brien, DRC

Using a “live” INTERNET-connection, the prototype was used to successfully demonstrate all major functions of Version 0.1.6.2 of the Technical framework including the following:

Model Registration--The Cycle 1 prototype included capabilities for registering a completely new model or updating a new version of an existing model. In support of this process, capabilities are provided for assigning user privileges and roles and uploading raw input files to the CMMS WEB site.

Conversion and Integration--Conversion and integration capabilities are provided for importing knowledge from four major simulation programs (JSIMS, WARSIM, JWARS, and NASM) The conversion/integration routines include capabilities for parsing the input files, identifying linkages to data dictionaries which defined a common semantics, and identifying links to existing data elements in the common CMMS data base.

Location and Extraction of Data--A series of on-line reports, queries, and data base views are provided to allow users to identify and examine data that had been successfully integrated into the common CMMS data base. Filters are provided to allow users to target the focus of the reports/queries/views and to identify which data elements will be displayed (see Figure 1 for examples). Hot links are provided to allow users to obtain additional information on displayed items. Information displayed on-line can be downloaded or printed out.

Update of Key Data Elements--An on-line interface is provided to allow users to update key data elements including the verification, validation, and certification status of key model elements.

After the demonstration, Dr. O'Brien discussed issues and lessons learned from the Cycle 1 prototype effort and outlined some potential directions for the Cycle 2 prototype.

(Power Point briefing: screens7.ppt); in zip format.

(Excel script: script7.xls)

6. Joint Training System Briefing. Bruce Harris, DRC, briefed the current status of the Joint Training System (JTS) as promulgated in the new Joint Training Manual by J-7, Joint Staff and the Joint Warfighting Center. The new JTS changes the focus of training from being events based to requirements based and uses the common language of the Universal Joint Task List (UJTL) as the foundation for the four phases of the improving joint force readiness: requirements, plans, execution, and assessment. The UJTL, itself, is new and contains new tasks at all levels of war, expanded conditions, and, for the first time, measures of performance. The new JTS will also be automated and the first of the new automated

tools, the Mission Requirements Module (MRM), will be available in January 1997. Sample screen views from the MRM were shown . Other CMMS-related JTS products were also reviewed and the FTP site provided for downloading of briefed materials.

(Power Point briefing: jtsstat7.ppt)

CSS program update

Tom Johnson, IMC

8. Common semantics and syntax project supporting CMMS - Tom Johnson, IMC, gave a project update and demonstrated the CSS Verb Data via a recently created WW Web Page (visit: www.imcva.com/imc/; login: "guest" ID: "guest"). The CMMS verb data fill is nearly completed and the Web Page was created in an effort to disseminate the project's data and solicit comments and suggestions.

(Power Point Briefing: csstwg7.ppt)

9. Attendance List

(Attend7.doc)